



# PRODUCT DATASHEET

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## 23138CE4

### Spherical Roller Bearings

#### Boundary Dimensions

d	190	mm	Bore diameter
D	320	mm	Outside diameter
B	104	mm	Width
r (min.)	3	mm	Chamfer dimension

#### Basic Load Ratings

Cr	1480000	N	Basic dynamic load rating
C0r	2020000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	1600	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	2200	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	850	min-1	Grease lubrication
Oil (Oil-bath)	1100	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

da (min.)	204	mm	Diameter of shaft abutment
da (max.)	219	mm	Diameter of shaft abutment
Da (min.)	276	mm	Diameter of housing abutment
Da (max.)	306	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.31	Constant
Y2	3.3	Axial load Factors
Y3	2.2	Axial load Factors
Y0	2.2	Axial load Factors

#### Mass

Mass approx.	34.5	kg	Mass approx.
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